

What is claimed is:

1. An apparatus for controlling a display of a combined digital video camcorder (DVC) and digital still camera (DSC) comprising:

5 a first digital signal processor adapted to output a component output signal to a first input of a component switch and a composite output signal to a first input of a composite switch;

10 a second digital signal processor adapted to output a component output signal to a second input of said component switch and a composite output signal to a second input of said composite switch;

15 a picture-in-picture (PIP) signal mixing unit adapted to receive a selected output from said component switch and a selected output from said composite switch, and to generate a display output signal based on said selected output from said component switch and said selected output from said composite switch; and

20 a control unit adapted to control said component switch and said composite switch based on an input signal from an input unit.

2. The apparatus of claim 1, wherein said control unit is further adapted to control said PIP signal mixing unit to enter a PIP-mode, and to thereby generate a PIP output comprising a main image based on said selected output from said component switch and a sub-window image based on said selected output from said composite switch.

3. The apparatus of claim 1, wherein said control unit is further adapted to control said PIP signal mixing unit to enter a general mode, and to thereby generate a PIP output comprising a main image based on said selected output from said component switch.

4. The apparatus of claim 1, wherein said control unit is further adapted to control said component switch and said composite switch in a first mode, in which said component output signal of said first digital signal processor is selected by said component switch and said composite output of said second digital signal processor is selected by said composite switch, or in a second mode, in which said component output of said second digital signal processor is selected by said component switch

and said composite output of said first digital signal processor is selected by said composite switch.

- 5 5. The apparatus of claim 1, wherein each said component output signals comprises at least one luminance signal and at least two chrominance signals.
6. The apparatus of claim 1, wherein said input unit comprises a PIP-mode selection switch.
- 10 7. The apparatus of claim 1, wherein said input unit comprises a PIP swap switch.
8. A method of controlling a display of a combined digital video camcorder (DVC) and digital still camera (DSC) comprising the steps of:
 - 15 selecting a component output of a first digital signal processor and a composite output of a second digital signal processor when said camera is in a first mode;
 - selecting a component output of said second digital signal processor and a composite output of said first digital signal processor when said camera is in a second mode; and
 - 20 generating a picture-in-picture (PIP) output display comprising the selected component output signal combined with a sub-window generated from the selected composite output signal.
9. The method of claim 8, further comprising the steps of:
 - receiving a swap command from an input unit; and
 - 25 switching between said first mode and said second mode in response to said swap command.
10. The method of claim 8, further comprising the steps of:
 - receiving a PIP-mode selection command; and
 - 30 generating said picture-in-picture (PIP) output display comprising only the selected component output signal in response to said PIP-mode selection command.

11. The method of claim 8, wherein each of said component output signals comprises at least one luminance signal and at least two chrominance signals.